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## Experience Certificate

This is to certify that Dr. Sumod.S.G., Assistant Professor, Department of Physics, Sacred Heart College, Thevara, India has carried out research at Institute of Space Earth-Environmental Research (ISEE), Nagoya University, Japan during the period, 1<sup>st</sup> December 2016 to 31 December 2016, as a visiting scientist through the SCOSTEP Visiting Scholar (SVS) program. SCOSTEP (Scientific Committee on Solar Terrestrial Physics) is an interdisciplinary body, which comes under the International Council for Science (ICSU). The SVS is a prestigious program of SCOSTEP, achieved through international competition, intended to encourage/enrich the international scientific collaborations/endeavors.

During the period, he has investigated the effects of Stratospheric Sudden Warming (SSW) over the low/mid-latitude upper atmosphere. Primarily, he has used data from the Optical Mesosphere Thermosphere Imagers (OMTI) including winds derived from the Fabry-Perot Interferometers (FPIs) and all-sky airglow images obtained at various stations from equatorial to high latitudes. The study will contribute to give new insights on the coupling between lower and upper atmosphere.

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